Name_____ **Period**_____

Geometry Unit 6 Worksheet #1 - Ratios

For #1 - 18, simplify the ratio. Be sure to convert units if necessary!

1) $\$5 : \$20$

2) $\frac{15cm^2}{12cm^2}$

3) $\frac{2lbs}{24lbs}$

4) $6L : 10mL$

5) $\frac{7\ ft}{12in}$

6) $\frac{80cm}{2m}$

7) $\frac{10\ ft}{3yd}$

8) $2gallons : 18quarts$

9) $\frac{1mi}{20\ ft}$

10) $28oz : 2lb$

11) $\frac{10in}{2\ ft}$

12) $\frac{3gallons}{2quarts}$

13) $\frac{5\ pints}{12cups}$

14) $\frac{48inches}{3yards}$

15) $\frac{20\ pints}{7quarts}$

16) $\frac{8in}{1\ ft}$

17) $\frac{2oz}{2lbs}$

18) $\frac{8\ ft}{30in}$

For #19-24, write the ratio in lowest terms. Make sure you are using the same units!!!

19) Out of 1000 households, 460 had at least one dog or cat. What is the ratio of pet owners to households?

20) In Larkin, there are 2125 students for 125 teachers. Write the ratio of students to teachers.

21) A model train is 54 inches long. The real train is 20 feet long. Write the ratio of the model to the train.

22) A rectangular swimming pool is 24 feet long by 10 feet wide. What is the ratio of the length to the width of the pool, in simplest form?

23) On the floor plans for a house, the length of a room is 4 inches. The actual room is 6 yards. What is the ration of the plans to the actual room?

24) You build a model of a rocket that is 25 cm tall. The actual rocket is 3 meters. What is the ratio of the model to the actual rocket?